

**Maine Woods Company, LLC  
Aroostook County  
Portage, Maine  
A-736-71-D-A**

**Departmental  
Findings of Fact and Order  
Air Emission License  
Amendment #2**

After review of the air emissions license amendment application, staff investigation reports and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 M.R.S.A., Section 344 and Section 590, the Department finds the following facts:

**I. REGISTRATION**

**A. Introduction**

Maine Woods Company, LLC (Maine Woods) of Portage, Maine was issued Air Emission License A-736-71-B-R on June 11, 2003, permitting the operation of emission sources associated with their hardwood sawmill and lumber drying facility. The air emissions license was subsequently amended on December 20, 2004 through license amendment, A-736-71-C-A, to increase kiln production capacity and adjust the wood kiln VOC emission factors.

Maine Woods has requested an amendment to their license in order to install a rip-line saw with conveyors to enhance their sawmill operations.

**B. Emission Equipment**

The following equipment is addressed in this air emission license:

**Process Equipment**

<b><u>Equipment</u></b>	<b><u>Maximum Capacity</u></b>	<b><u>Control Equipment</u></b>
Saw Rip-Line	50,000 bf/day *	cyclone

\* board feet (bf) per day

**C. Application Classification**

The modification of a minor source is considered a major modification based on whether or not expected emission increases exceed the "Significant Emission Levels" as defined in the Department's regulations. Emissions from wood cutting process equipment, such as the rip-line saw Maine Woods plans to install, are considered unquantifiable. This modification is determined to be a minor modification and has been processed as such.

## II. BEST PRACTICAL TREATMENT (BPT)

### A. Introduction

In order to receive a license the applicant must control emissions from each unit to a level considered by the Department to represent Best Practical Treatment (BPT), as defined in Chapter 100 of the Department regulations. Separate control requirement categories exist for new and existing equipment as well as for those sources located in designated non-attainment areas. BPT for new sources and modifications requires a demonstration that emissions are receiving Best Available Control Technology (BACT), as defined in Chapter 100 of the Department's regulations. BACT is a top-down approach to selecting air emission controls considering economic, environmental and energy impacts.

### B. Description of Amendment

Maine Woods is proposing to install a rip-line saw with conveyors. The facility estimates they will rip 50,000 board feet per day and produce approximately 9 cubic feet of sawdust. The conventional cut-and-rip line is essentially organized around cut off saws producing pieces of wood that are fed to straight-line rip-saws to be cut as either fixed width or random width stock. The new saw rip-line can be used for edging-up lumber with wane or bark edges; also for taking out heartwood of wide boards, thus raising the grade and market value of lumber otherwise sold for "culls".

### C. BACT for the Saw Rip-Line

The pollutant of concern from the proposed operation is particulate matter. Maine Woods will install a cyclone to reduce particulate matter from the new rip-line saw. The cyclone meets the definition of BACT for this process, other add-on PM emission controls were determined not technically or economically feasible. Maine Woods shall meet the general process equipment opacity limit established in Chapter 101.

## **ORDER**

Based on the above Findings and subject to conditions listed below, the Department concludes that the emissions from this source:

- will receive Best Practical Treatment,
- will not violate applicable emission standards,
- will not violate applicable ambient air quality standards in conjunction with emissions from other sources.

The Department hereby grants Air Emission License A-736-71-D-A subject to the conditions found in Air Emission License A-736-71-B-R, subsequent amendments, and to the following conditions:

Severability. The invalidity or unenforceability of any provision, or part thereof, of this License shall not affect the remainder of the provision or any other provisions. This License shall be construed and enforced in all respects as if such invalid or unenforceable provision or part thereof had been omitted.

**The following Condition is new for Air Emissions License A-736-71-B-R**

- (22) Maine Woods is licensed to install a new rip-line saw and shall control particulate emission by installing a cyclone. Visible emissions shall not exceed an opacity of 20 percent on a six (6) minute block average basis, except for no more than one (1) six (6) minute block average in a 1-hour period.

Maine Woods shall maintain the following records:

- a) Maine Woods will perform daily visual inspections of the cyclone to assure proper operation and have documentation that this will be done in their Standard Operating Procedure manual.
- b) A description of any maintenance or repairs of the cyclone that resulted from the inspection will be kept on file.

DONE AND DATED IN AUGUSTA, MAINE THIS                      DAY OF                      2007.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: \_\_\_\_\_  
DAVID P. LITTELL, COMMISSIONER

**The term of this amendment shall be concurrent with the term of Air Emission License A-736-71-B-R.**

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: October 26, 2006

Date of application acceptance: November 15, 2006

Date filed with the Board of Environmental Protection: \_\_\_\_\_

This Order prepared by Edwin Cousins, Bureau of Air Quality.